

Qubit® DNA Quantification

1. Equilibrate all fluid components to room temperature.
2. Make the working solution by mixing 1 part Qubit® dsDNA HS Reagent with 200 parts Qubit® dsDNA HS Buffer in a conical tube.
 - a. Ensure you make enough working solution to cover all of your sample tubes.
3. Label a Qubit® tube Standard #1. Make standard 1 by adding 190 μ L working solution (made in part b) to the tube. Add 10 μ L Qubit® dsDNA HS Standard #1 to the tube. Mix well.
4. Label a Qubit® tube Solution #2. Make solution 2 by adding 190 μ L of working solution (made in part b) to the tube. Add 10 μ L Qubit® dsDNA HS Standard #2 to the tube. Mix well.
5. Label a Qubit® tube Sample A. Add 199 μ L working solution to the tube. Add 1 μ L of an unknown DNA sample to the tube.
6. Repeat step “5” for each of your DNA samples, labeling them in sequence (e.g. Sample B, Sample C, etc.)
7. Measure fluorescence using the Qubit™ Fluorometer.
 - a. Hit any button on the fluorometer to turn it on.
 - b. Use the arrows to highlight Quant-iT dsDNA, HS. Hit GO.
 - c. Follow the on-screen directions, which include the insertion of Solution #1 and Solution #2.
 - d. Add Sample A to the fluorometer. Hit GO. Record displayed concentration of DNA.
 - e. Repeat step “d” for your remaining DNA samples.